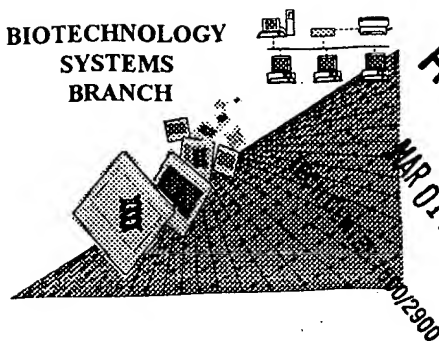


S.  
Foley

## **RAW SEQUENCE LISTING** **ERROR REPORT**

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/555,780A  
Source: 1648  
Date Processed by STIC: 2/20/2001

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

**FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.**

**PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:**

### **Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

**Checker Version 3.0 can be down loaded from the USPTO website at the following address:**

**<http://www.uspto.gov/web/offices/pac/checker>**

# Raw Sequence Listing Error Summary

## ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/555,780A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics      The number/text at the end of each line "wrapped" down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2   J   Wrapped Aminos      The amino acid number/text at the end of each line "wrapped " down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3      Incorrect Line Length      The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4   .   Misaligned Amino Acid      The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs  
Numbering      between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5      Non-ASCII      This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.  
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6      Variable Length      Sequence(s)      contain n's or Xaa's which represented more than one residue.  
As per the rules, each n or Xaa can only represent a single residue.  
Please present the maximum number of each residue having variable length and  
indicate in the (ix) feature section that some may be missing.
- 7      PatentIn ver. 2.0 "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid  
sequence(s)             . Normally, PatentIn would automatically generate this section from the  
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section  
to the subsequent amino acid sequence. This applies primarily to the mandatory <220>-<223>  
sections for Artificial or Unknown sequences.
- 8      Skipped Sequences      Sequence(s)      missing. If intentional, please use the following format for each skipped sequence:  
(OLD RULES)      (2) INFORMATION FOR SEQ ID NO:X:  
(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")  
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:  
This sequence is intentionally skipped  
  
Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9      Skipped Sequences      Sequence(s)      missing. If intentional, please use the following format for each skipped sequence.  
(NEW RULES)      <210> sequence id number  
                         <400> sequence id number  
                         000
- 10      Use of n's or Xaa's      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
(NEW RULES)      Use of <220> to <223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11      Use of <213>Organism      Sequence(s)              are missing this mandatory field or its response.  
(NEW RULES)
- 12      Use of <220>Feature      Sequence(s)      are missing the <220>Feature and associated headings.  
(NEW RULES)      Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"  
Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13      PatentIn ver. 2.0 "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted  
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).  
Instead, please use "File Manager" or any other means to copy file to floppy disk.

1648

RAW SEQUENCE LISTING                      DATE: 02/20/2001  
 PATENT APPLICATION: US/09/555,780A      TIME: 17:33:36

Input Set : A:\Pto.txt  
 Output Set: N:\CRF3\02202001\I555780A.raw

Does Not Comply  
 Corrected Diskette Needed

*errors throughout*

OK

3 <110> APPLICANT: INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE M  
 4 CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C.N.  
 5 INSTITUT PASTEUR DE LILLE  
 6 GRAS-MASSE, Helene  
 7 BOSSUS, Marc  
 8 LIPPENS, Guy  
 9 WIERUSZESKI, Jean-Michel  
 10 TARTAR, Andre  
 11 GUILLET, Jean-Gerard  
 12 BOURGAULT-VILLADA, Isabelle  
 14 <120> TITLE OF INVENTION: Mixed lipopeptide micelles for inducing an immune  
 15 response and their therapeutic uses.  
 17 <130> FILE REFERENCE: Lipopeptides-INSERM  
 19 <140> CURRENT APPLICATION NUMBER: US/09/555,780A  
 20 <141> CURRENT FILING DATE: 2000-11-17  
 22 <150> PRIOR APPLICATION NUMBER: FR9715246  
 23 <151> PRIOR FILING DATE: 1997-12-03  
 E--> 25 <160> NUMBER OF SEQ ID NOS: 284 *285 in file (p.9)*  
 27 <170> SOFTWARE: PatentIn Ver. 2.1

#### ERRORED SEQUENCES

40 <210> SEQ ID NO: 2  
 41 <211> LENGTH: 33  
 42 <212> TYPE: PRT  
 43 <213> ORGANISM: Human immunodeficiency virus  
 45 <220> FEATURE:  
 46 <221> NAME/KEY: LIPID  
 47 <222> LOCATION: (33)  
 48 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE  
 50 <400> SEQUENCE: 2  
 51 Val Gly Phe Pro Val Thr Pro Gln Val Pro Leu Arg Pro Met Thr  
 E--> 52 Tyr  
 E--> 53 1                      5                      10                      15  
 55 Lys Ala Ala Val Asp Leu Ser His Phe Leu Lys Glu Lys Gly Gly  
 E--> 56 Leu  
 E--> 57 20                      25                      30  
 59 Lys  
 64 <210> SEQ ID NO: 3  
 65 <211> LENGTH: 32  
 66 <212> TYPE: PRT  
 67 <213> ORGANISM: Human immunodeficiency virus  
 69 <220> FEATURE:  
 70 <221> NAME/KEY: LIPID  
 71 <222> LOCATION: (32)  
 72 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE

*format error - see  
 item 2  
 on Error  
 Summary Sheet*

RAW SEQUENCE LISTING                      DATE: 02/20/2001  
 PATENT APPLICATION: US/09/555,780A        TIME: 17:33:36

Input Set : A:\Pto.txt  
 Output Set: N:\CRF3\02202001\I555780A.raw

```

74 <400> SEQUENCE: 3
75 Thr Gln Gly Tyr Phe Pro Asp Trp Gln Asn Tyr Thr Pro Gly Pro
E--> 76 Gly
E--> 77   1           5           10           15
79 Val Arg Tyr Pro Leu Thr Phe Gly Trp Cys Tyr Lys Leu Val Pro
E--> 80 Lys
E--> 81           20           25           30
88 <210> SEQ ID NO: 4
89 <211> LENGTH: 25
90 <212> TYPE: PRT
91 <213> ORGANISM: Human immunodeficiency virus
93 <220> FEATURE:
94 <221> NAME/KEY: LIPID
95 <222> LOCATION: (25)
96 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE
98 <400> SEQUENCE: 4
99 Glu Trp Arg Phe Asp Ser Arg Leu Ala Phe His His Val Ala Arg
E--> 100 Glu
E--> 101   1           5           10           15
103 Leu His Pro Glu Tyr Phe Lys Asn Lys
E--> 104           20           25
108 <210> SEQ ID NO: 5
109 <211> LENGTH: 33
110 <212> TYPE: PRT
111 <213> ORGANISM: Human immunodeficiency virus
113 <220> FEATURE:
114 <221> NAME/KEY: LIPID
115 <222> LOCATION: (33)
116 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE
118 <400> SEQUENCE: 5
119 Asp Leu Asn Thr Met Leu Asn Thr Val Gly Gly His Gln Ala Ala
E--> 120 Met
E--> 121   1           5           10           15
123 Gln Met Leu Lys Glu Thr Ile Asn Glu Glu Ala Ala Glu Trp Asp
E--> 124 Arg
E--> 125           20           25           30
127 Lys
132 <210> SEQ ID NO: 6
133 <211> LENGTH: 33
134 <212> TYPE: PRT
135 <213> ORGANISM: Human immunodeficiency virus
137 <220> FEATURE:
138 <221> NAME/KEY: LIPID
139 <222> LOCATION: (33)
140 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE
142 <400> SEQUENCE: 6
143 Asn Pro Pro Ile Pro Val Gly Glu Ile Tyr Lys Arg Trp Ile Ile
E--> 144 Leu
E--> 145   1           5           10           15

```

*same error*

*same*

*same*

*same*

*same*

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/555,780A

DATE: 02/20/2001  
 TIME: 17:33:36

Input Set : A:\Pto.txt  
 Output Set: N:\CRF3\02202001\I555780A.raw

147 Gly Leu Asn Lys Ile Val Arg Met Tyr Ser Pro Thr Ser Ile Leu  
 E--> 148 Asp  
 E--> 149                   20                   25                   30  
 151 Lys  
 156 <210> SEQ ID NO: 7  
 157 <211> LENGTH: 34  
 158 <212> TYPE: PRT  
 159 <213> ORGANISM: Human immunodeficiency virus  
 161 <220> FEATURE:  
 162 <221> NAME/KEY: LIPID  
 163 <222> LOCATION: (34)  
 164 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE  
 166 <400> SEQUENCE: 7  
 167 Thr Arg Pro Asn Asn Asn Thr Arg Lys Ser Ile His Ile Gly Pro  
 E--> 168 Gly  
 E--> 169                   1                   5                   10                   15  
 171 Arg Ala Phe Tyr Ala Thr Gly Glu Ile Ile Gly Asp Ile Arg Gln  
 E--> 172 Ala  
 E--> 173                   20                   25                   30  
 175 His Lys  
 345 <210> SEQ ID NO: 23  
 346 <211> LENGTH: 27  
 347 <212> TYPE: PRT  
 348 <213> ORGANISM: Simian immunodeficiency virus  
 350 <220> FEATURE:  
 351 <221> NAME/KEY: LIPID  
 352 <222> LOCATION: (27)  
 353 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE  
 356 <400> SEQUENCE: 23  
 357 Ser Val Arg Pro Lys Val Pro Leu Arg Ala Met Thr Tyr Lys Leu  
 E--> 358 Ala  
 E--> 359                   1                   5                   10                   15  
 361 Ile Asp Met Ser His Phe Ile Lys Glu Lys Lys  
 E--> 362                   20                   25  
 366 <210> SEQ ID NO: 24  
 367 <211> LENGTH: 24  
 368 <212> TYPE: PRT  
 369 <213> ORGANISM: Simian immunodeficiency virus  
 371 <220> FEATURE:  
 372 <221> NAME/KEY: LIPID  
 373 <222> LOCATION: (24)  
 374 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE  
 376 <400> SEQUENCE: 24  
 377 Glu Lys Gly Gly Leu Glu Gly Ile Tyr Tyr Ser Ala Arg Arg His  
 E--> 378 Arg  
 E--> 379                   1                   5                   10                   15  
 381 Ile Leu Asp Met Tyr Leu Glu Lys  
 E--> 382                   20  
 386 <210> SEQ ID NO: 25

*same*

*same*

*same*

*same*

*same*

RAW SEQUENCE LISTING                      DATE: 02/20/2001  
 PATENT APPLICATION: US/09/555,780A        TIME: 17:33:36

Input Set : A:\Pto.txt  
 Output Set: N:\CRF3\02202001\I555780A.raw

```

387 <211> LENGTH: 25
388 <212> TYPE: PRT
389 <213> ORGANISM: Simian immunodeficiency virus
W--> 390 <220> FEATURE:
391 <221> NAME/KEY: LIPID
392 <222> LOCATION: (25)
393 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE
395 <400> SEQUENCE: 25
396 Asp Trp Gln Asp Tyr Thr Ser Gly Pro Gly Ile Arg Tyr Pro Lys
E--> 397 Thr
E--> 398      1          5          10          15
400 Phe Gly Trp Leu Trp Lys Leu Val Lys
E--> 401      20          25
405 <210> SEQ ID NO: 26
406 <211> LENGTH: 26
407 <212> TYPE: PRT
408 <213> ORGANISM: Simian immunodeficiency virus
410 <220> FEATURE:
411 <221> NAME/KEY: LIPID
412 <222> LOCATION: (26)
413 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE
415 <400> SEQUENCE: 26
416 Ser Lys Trp Asp Asp Pro Trp Gly Glu Val Leu Ala Trp Lys Phe
E--> 417 Asp
E--> 418      1          5          10          15
420 Pro Thr Leu Ala Tyr Thr Tyr Glu Ala Lys
E--> 421      20          25
425 <210> SEQ ID NO: 27
426 <211> LENGTH: 28
427 <212> TYPE: PRT
428 <213> ORGANISM: Simian immunodeficiency virus
430 <220> FEATURE:
431 <221> NAME/KEY: LIPID
432 <222> LOCATION: (28)
433 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE
435 <400> SEQUENCE: 27
436 Tyr Thr Tyr Glu Ala Tyr Ala Arg Tyr Pro Glu Glu Leu Glu Ala
E--> 437 Ser
E--> 438      1          5          10          15
440 Gln Ala Cys Gln Arg Lys Arg Leu Glu Gly Lys
E--> 441      20          25
445 <210> SEQ ID NO: 28
446 <211> LENGTH: 32
447 <212> TYPE: PRT
448 <213> ORGANISM: Simian immunodeficiency virus
450 <220> FEATURE:
451 <221> NAME/KEY: LIPID
452 <222> LOCATION: (32)
453 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE

```

*same*

*same*

*same*

RAW SEQUENCE LISTING                      DATE: 02/20/2001  
 PATENT APPLICATION: US/09/555,780A        TIME: 17:33:36

Input Set : A:\Pto.txt  
 Output Set: N:\CRF3\02202001\I555780A.raw

```

455 <400> SEQUENCE: 28
456 Lys Phe Gly Ala Glu Val Val Pro Gly Phe Gln Ala Leu Ser Glu
E--> 457 Gly
E--> 458   1           5           10           15
460 Cys Thr Pro Tyr Asp Ile Asn Gln Met Leu Asn Cys Val Gly Asp
E--> 461 Lys
E--> 462           20           25           30
469 <210> SEQ ID NO: 29
470 <211> LENGTH: 37
471 <212> TYPE: PRT
472 <213> ORGANISM: Simian immunodeficiency virus
474 <220> FEATURE:
475 <221> NAME/KEY: LIPID
476 <222> LOCATION: (37)
477 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE
479 <400> SEQUENCE: 29
480 Gln Ile Gln Trp Met Tyr Arg Gln Gln Asn Pro Ile Val Gly Asn
E--> 481 Ile
E--> 482   1           5           10           15
484 Tyr Arg Arg Trp Ile Gln Leu Gly Leu Gln Lys Cys Val Arg Met
E--> 485 Tyr
E--> 486           20           25           30
488 Asn Pro Thr Asn Lys
E--> 489           35
493 <210> SEQ ID NO: 30
494 <211> LENGTH: 18
495 <212> TYPE: PRT
496 <213> ORGANISM: Simian immunodeficiency virus
498 <220> FEATURE:
499 <221> NAME/KEY: LIPID
500 <222> LOCATION: (18)
501 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE
503 <220> FEATURE:
W--> 504 <221> NAME/KEY: MOS_RES mod-RES
505 <222> LOCATION: (1)
506 <223> OTHER INFORMATION: ACETYLATION
508 <400> SEQUENCE: 30
509 Gln Tyr Ile Lys Ala Asn Ser Lys Phe Ile Gly Ile Thr Glu Leu
E--> 510 Lys
E--> 511   1           5           10           15
513 Lys Lys
518 <210> SEQ ID NO: 31
519 <211> LENGTH: 20
520 <212> TYPE: PRT
521 <213> ORGANISM: Human immunodeficiency virus
523 <220> FEATURE:
524 <221> NAME/KEY: LIPID
525 <222> LOCATION: (20)
526 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE

```

*same*

*same*

*same*

RAW SEQUENCE LISTING                      DATE: 02/20/2001  
 PATENT APPLICATION: US/09/555,780A        TIME: 17:33:36

Input Set : A:\Pto.txt  
 Output Set: N:\CRF3\02202001\I555780A.raw

```

528 <400> SEQUENCE: 31
529 Glu Lys Ile Arg Leu Arg Pro Gly Gly Lys Lys Lys Tyr Lys Leu
E--> 530 Lys
E--> 531 1 5 10 15
533 His Ile Val Lys
E--> 534 20
538 <210> SEQ ID NO: 32
539 <211> LENGTH: 32
540 <212> TYPE: PRT
541 <213> ORGANISM: Human immunodeficiency virus
543 <220> FEATURE:
544 <221> NAME/KEY: LIPID
545 <222> LOCATION: (32)
546 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE
548 <400> SEQUENCE: 32
549 Ala Ile Phe Gln Ser Ser Met Thr Lys Ile Leu Glu Pro Phe Arg
E--> 550 Lys
E--> 551 1 5 10 15
553 Gln Asn Pro Asp Ile Val Ile Tyr Gln Tyr Met Asp Asp Leu Tyr
E--> 554 Lys
E--> 555 20 25 30
562 <210> SEQ ID NO: 33
563 <211> LENGTH: 31
564 <212> TYPE: PRT
565 <213> ORGANISM: Human immunodeficiency virus
567 <220> FEATURE:
568 <221> NAME/KEY: LIPID
569 <222> LOCATION: (31)
570 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE
572 <400> SEQUENCE: 33
573 His Thr Gln Gly Tyr Phe Pro Asp Trp Gln Asn Tyr Thr Pro Gly
E--> 574 Pro
E--> 575 1 5 10 15
577 Gly Val Arg Tyr Pro Leu Thr Phe Gly Trp Leu Tyr Lys Leu Lys
E--> 578 20 25 30
582 <210> SEQ ID NO: 34
583 <211> LENGTH: 21
584 <212> TYPE: PRT
585 <213> ORGANISM: Plasmodium falciparum
587 <220> FEATURE:
588 <221> NAME/KEY: LIPID
589 <222> LOCATION: (21)
590 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE
592 <400> SEQUENCE: 34
593 Leu Leu Ser Asn Ile Glu Glu Pro Lys Glu Asn Ile Ile Asp Asn
E--> 594 Leu
E--> 595 1 5 10 15
597 Leu Asn Asn Ile Lys
E--> 598 20

```



RAW SEQUENCE LISTING                      DATE: 02/20/2001  
PATENT APPLICATION: US/09/555,780A        TIME: 17:33:36

Input Set : A:\Pto.txt  
Output Set: N:\CRF3\02202001\I555780A.raw

602 <210> SEQ ID NO: 35  
603 <211> LENGTH: 27  
604 <212> TYPE: PRT  
605 <213> ORGANISM: Plasmodium falciparum  
607 <220> FEATURE:  
608 <221> NAME/KEY: LIPID  
609 <222> LOCATION: (27)  
610 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE  
612 <220> FEATURE:  
613 <221> NAME/KEY: MOD\_RES  
614 <222> LOCATION: (1)  
615 <223> OTHER INFORMATION: ACETYLATION  
617 <400> SEQUENCE: 35  
618 Asp Glu Leu Phe Asn Glu Leu Leu Asn Ser Val Asp Val Asn Gly  
E--> 619 Glu  
E--> 620    1                      5                      10                      15  
622 Val Lys Glu Asn Ile Leu Glu Glu Ser Gln Lys  
E--> 623                      20                      25  
627 <210> SEQ ID NO: 36  
628 <211> LENGTH: 27  
629 <212> TYPE: PRT  
630 <213> ORGANISM: Plasmodium falciparum  
632 <220> FEATURE:  
633 <221> NAME/KEY: LIPID  
634 <222> LOCATION: (27)  
635 <223> OTHER INFORMATION: PALMITOYL DERIVATIVE  
637 <220> FEATURE:  
638 <221> NAME/KEY: MOD\_RES  
639 <222> LOCATION: (1)  
640 <223> OTHER INFORMATION: ACETYLATION  
642 <400> SEQUENCE: 36  
643 Leu Glu Glu Ser Gln Val Asn Asp Asp Ile Phe Asn Ser Leu Val  
E--> 644 Lys  
E--> 645    1                      5                      10                      15  
647 Ser Val Gln Gln Glu Gln Gln His Asn Val Lys  
E--> 648                      20                      25  
1850 <210> SEQ ID NO: 144  
1851 <211> LENGTH: 9 *10 shown*  
1852 <212> TYPE: PRT  
1853 <213> ORGANISM: Human immunodeficiency virus type 1  
1855 <400> SEQUENCE: 144  
1856 Glu Leu Val Asn Gln Ile Ile Glu Gln Leu  
E--> 1857    1                      5                      10 *← insert*  
2235 <210> SEQ ID NO: 179  
2236 <211> LENGTH: 8 *9*  
2237 <212> TYPE: PRT  
2238 <213> ORGANISM: Human immunodeficiency virus type 1  
2240 <400> SEQUENCE: 179  
2241 Arg Tyr Leu Lys Asp Gln Gln Leu Leu

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/555,780A

DATE: 02/20/2001  
TIME: 17:33:36

Input Set : A:\Pto.txt  
Output Set: N:\CRF3\02202001\I555780A.raw

E--> 2242 1 5  
2862 <210> SEQ ID NO: 236  
2863 <211> LENGTH: 11 10  
2864 <212> TYPE: PRT  
2865 <213> ORGANISM: Human immunodeficiency virus type 1  
2867 <400> SEQUENCE: 236  
2868 Val Pro Val Trp Lys Glu Ala Thr Thr Thr  
E--> 2869 1 5 10  
3403 <210> SEQ ID NO: 285  
3404 <211> LENGTH: 9  
3405 <212> TYPE: PRT  
3406 <213> ORGANISM: Epstein-Barr virus  
E--> 3408 <400> SEQUENCE: 284  
3409 Ile Val Thr Asp Phe Ser Val Ile Lys  
3410 1 5  
E--> 341 57

*See next page for  
Explanation*

<210> 285

<211> 9

<212> PRT

<213> Epstein-Barr virus

<400> 285 ← insert number

Ile Val Thr Asp Phe Ser Val Ile Lys

1

5

(57) delete at end of file

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/555,780A

DATE: 02/20/2001  
TIME: 17:33:38

Input Set : A:\Pto.txt  
Output Set: N:\CRF3\02202001\I555780A.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:20 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:52 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2  
M:332 Repeated in SeqNo=2  
L:76 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:3  
M:332 Repeated in SeqNo=3  
L:100 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:4  
M:332 Repeated in SeqNo=4  
L:120 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5  
M:332 Repeated in SeqNo=5  
L:144 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:6  
M:332 Repeated in SeqNo=6  
L:168 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:7  
M:332 Repeated in SeqNo=7  
L:358 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:23  
M:332 Repeated in SeqNo=23  
L:378 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:24  
M:332 Repeated in SeqNo=24  
L:390 M:283 W: Missing Blank Line separator, <220> field identifier  
L:397 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:25  
M:332 Repeated in SeqNo=25  
L:417 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:26  
M:332 Repeated in SeqNo=26  
L:437 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:27  
M:332 Repeated in SeqNo=27  
L:457 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:28  
M:332 Repeated in SeqNo=28  
L:481 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:29  
M:332 Repeated in SeqNo=29  
L:504 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:30  
L:510 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:30  
M:332 Repeated in SeqNo=30  
L:530 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:31  
M:332 Repeated in SeqNo=31  
L:550 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:32  
M:332 Repeated in SeqNo=32  
L:574 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:33  
M:332 Repeated in SeqNo=33  
L:594 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:34  
M:332 Repeated in SeqNo=34  
L:619 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:35  
M:332 Repeated in SeqNo=35  
L:644 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:36  
M:332 Repeated in SeqNo=36  
L:664 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:37  
M:332 Repeated in SeqNo=37  
L:1640 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:125  
M:332 Repeated in SeqNo=125

VERIFICATION SUMMARY

DATE: 02/20/2001

PATENT APPLICATION: US/09/555,780A

TIME: 17:33:38

Input Set : A:\Pto.txt

Output Set: N:\CRF3\02202001\I555780A.raw

L:1666 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:127  
M:332 Repeated in SeqNo=127  
L:1857 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:144  
L:1857 M:252 E: No. of Seq. differs, <211>LENGTH:Input:9 Found:10 SEQ:144  
L:2242 M:252 E: No. of Seq. differs, <211>LENGTH:Input:8 Found:9 SEQ:179  
L:2869 M:252 E: No. of Seq. differs, <211>LENGTH:Input:11 Found:10 SEQ:236  
L:3386 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:283  
M:332 Repeated in SeqNo=283  
L:3408 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:285 differs:284  
L:3414 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:0  
L:25 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (284) Counted (285)